

Krishi Vigyan Kendra, Baghpat

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Baghpat – 250 609	0121-2969011	-	kvkbaghpat1@gmail.com	www.baghpat.kvk4.in

1.2. Name and address of host organization with phone, fax and e-mail

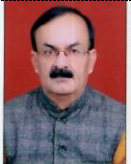
Address	Telephone		E mail	Website
	Office	FAX		
Sardar Vallabhbai Patel University of Agriculture, Meerut	0121-2888522, 2888511	0121-2888505, 2888540	deesvpuat2014@g mail.com	www.svbpmeerut.ac.i n









1.3. Name of the Sr. Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Gajendra Pal	-	09456449671	gajendrapal1960@gmail.com

1.4. Year of sanction (as per MOU): 2004 (27-10-2004)

1.5. Staff Position (as on 30 Sept. 2018)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Programme Coordinator	Dr. Gajendra Pal	Professor & Head	Agriculture	37400-67000	10000	211800	27.06.87	Permanent	OBC	9456449671	gajendrapal1960@gmail.com	

2	Subject Matter Specialist	Dr. Sarita Joshi	Professor	Home Science	37400-67000	9000	193800	26.08.95	Permanent	Others	987113441	sarita.joshi156@yahoo.com	
3	Subject Matter Specialist	Dr. Sundeep Chaudhary	Professor	Agronomy	37400-67000	9000	172200	01.01.1996	Permanent	OBC	9412311502	sundeep.baraut@gmail.com	
4	Subject Matter Specialist	Sh. Amit Chaudhary	SMS/Asst. Professor	Horticulture	15600-39100	6000	92500	09.12.03	Permanent	OBC	9897060189	amitchaudhary1368@gmail.com	
5	Computer Programmer	Sh. U.S. Rath	Programme Asstt.	Computer	9300-34800	4600	53600	30.07.07	Permanent	OBC	9012347688	uttamsvp@gmail.com	
6	Programme Assistant	Dr. Ravindar Kumar	Farm manager	Soil Science	9300-34800	4600	53600	02.08.07	Permanent	OBC	8923482015	malikrk007@gmail.com	
7	Programme Assistant	Dr. Bhupendra Kumar	Programme Asstt. Farm Manager	Plant Breeding	9300-34800	4200	52000	03.09.08	Permanent	SC	9368651430	Bkdheeraniya75@gmail.com	
8	Accountant O.S.	Sh. Sanjeev Chandel	O.S. Cur Accountant	Accountancy	9300-34800	4800	66000	10.12.03	Permanent	OBC	9410860477	sanjeevchandel2012@gmail.com	
9	Stenographer	Sh. Praveen Kumar Premi	Stenographer	-	5200-20200	2400	39200	26.12.08	Permanent	SC	9718476096	pkpremi1975@gmail.com	
10	Driver	Sh. Papin Kumar	Driver Cum Mechanic	-	5200-20200	1900	30500	26.12.08	Permanent	OBC	8057332297	-	
11	Supporting staff	Sh. Salekh Chand	Watchman	-	4440-7440	2400	36400	01.12.92	Permanent	Others	9997530844	kvksalek@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	3.000
2.	Under Demonstration Units (Integrated farming system)	0.600
3.	Under Crops	8.242
4.	Crop Cafeteria	0.400
5.	Orchard/Agro-forestry	0.400
Total		12.642



1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Complete	
			Plinth area (Sq.m)	Expenditure (Rs.)
1.	Administrative Building	ICAR	510	43.65
2.	Farmers Hostel	ICAR	300	22.92
3.	Staff Quarters (6)	ICAR	400	26.72
4.	Demonstration Units (2)	ICAR	160	11.06
5	Fencing	ICAR	2000 RM	38.43
6	Threshing floor	ICAR	300	2.34
7	Farm godown	ICAR	60	3.63
8	Irrigation channel	ICAR	1000 RM	8.26
Total				157.01

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Ran	Present status
Mahindra Marshal Jeep	Not available	-	-	-
Motorcycle	2006	46,575.00	95555	Not Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Tractor Sonalika	2005	3,44,500.00	Good
12 Disc Harrow	2005	20,275.00	Good
Cultivator	2005	12,265.00	Good
Seed Drill Fert.	2005	19,015.00	Good
Tractor Pulley	2005	1,825.00	Good
Knapsack Sprayer (16 lit.)	2005	714.00	Good
Bund farmer blade	2005	2,860.00	Good
Leveler	2006	5,080.00	Good
Rigertin Far	2006	5,610.00	Good
Two tier tractor trolley	2006	65,106.00	Good
LCD Projector	2007	5700.00	Good

2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No.	Farming system/enterprise
1	Agriculture + Animal Husbandry
2	Agriculture + Animal Husbandry + Horticulture

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

a) Soil type

S. No.	Agro-climatic Zone	Characteristics
1	North Western Plain Zone	Sub humid to subtropical climate, maximum and minimum temperature 44°C and 3 °C respectively with average rainfall is about 522.19 mm in last 10 years.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	AES – I	Sandy loam to loam soils, normal PH, Good quality irrigation water, Canal/tube-well irrigation
2	AES – II	Sandy loam to loam soils, normal PH, Good quality irrigation water, slightly undulated and unlevelled soils

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy loam to loam with normal pH	The soils have enough clay to store adequate amounts of water and plant nutrients for optimum plant growth, containing enough sand, silt and clay. Clay content is not much as to cause poor aeration or to make working difficult. A soil containing 7 to 27% clay and approximately equal amount of silt and sand has been designated as loam textured soil.	110065

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Productivity (Qt./ha)
1	Sugarcane	74227	866.40
2	Rice	5866	28.53
3	Urd	400	8.98
4	Moong	16	8.12
5	Arhar	463	7.45
6	Lentil	51	10.26
7	Wheat	54904	45.59
8	Jawar (gram)	50	8.05
9	Maize	09	25.45
10	Mustard	1691	13.07

Source: Statistical 2018-19.

2.5. Weather data :only rainfall data available till 2020.

Month	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	0	30.48	64.5	42.2	7	0	54.61	6.35	22.86	76
February	21.69	0	96.75	37.9	11.75	1.27	0	0	49.53	89
March	7.62	4.25	0.75	38.7	75.5	34.29	10.16	0	4.1	83
April	5.08	11.25	6.25	7.9	0	0	3.81	2.54	0	0
May	87.63	0	4	50.4	0	31.75	20.32	10.16	5.5	55
June	106.68	37	112.25	104	66	11.43	148.59	63.5	2.5	42
July	118.27	176.5	125	77.4	85.25	204.47	109.22	266.43	229	86.7
August	162.56	103.5	102.75	75.1	0	131.81	52.07	163.83	71	177.3
September	164.5	74	0	108	0	0	132.08	180.34	0	0
October	0	5.5	0	0	0	0	0	0	0	0
November	0	1	0	0	0	0	0	0	89	
December	0	23.25	0	5.4	0	0	10.16	0	45	
Total	674.03	466.7	512.25	547	245.5	415.02	541.02	693.15	518.5	

2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred Cows	14332	150486 lit./day	10.5 lit./day
Indigenous Cows	21538	139997 lit./day	6.5 lit./day
Buffalo	139763	838578 lit./day	6.0 lit./day
Sheep			
Crossbred	3782	-	-
Indigenous	2924	-	-
Goats	22660	-	-
Pigs			
Crossbred	5866	-	-
Indigenous	16083	-	-
Rabbits			
Poultry			
Hens			
Desi	3446	-	-
Category		Production (Q.)	Productivity
Fish (Reservoir)	53.843 Ha.	1615.99 Q	30 Q/ Ha.

*Statcal report 2012

2.7 Details of Operational area / Villages (2021)

S. No.	Taluka	Name of the block	No. of the village	Major crops & enterprises	Major problems identified	Identified Thrust Areas
1.	Khekra	Khekra	46	Dairy, sugarcane, paddy, wheat, mustard, moong, arhar, poultry & vegetables	1. Low production in late sown wheat 2. Weed infestation in wheat 3. Reducing production area of pulses due to blue horse	a. Increase productivity of wheat in late sown conditions. b. Increase milk production in Buffalos. c. Balance use of fertilizer in sugarcane. d. Balance use of fertilizer in wheat.
2.	Baghpat	Baghpat	51	Dairy, Sugarcane, paddy, wheat, fodder & vegetables	4. White grub attack in sugarcane 5. Red rot in sugarcane 6. Late sowing of sugarcane due to wheat-sugarcane system	e. Weed management in wheat. f. Management of pests in sugarcane. g. Creating awareness about human nutrition /nutritional needs to mitigate the problems of nutritional deficiency in rural woman & children.
		Pillna	50	Dairy, sugarcane, paddy, wheat, mustard, moong, arhar, & poultry	7. No use of potash in all crops 8. Deficiency of minor elements and organic matter in soil 9. Depletion of ground water	h. Management of mango orchards. i. Pest and weed management in paddy. j. Maintenance of soil health. k. Disease management in okra.
3.	Baraut	Baraut	54	Dairy, Sugarcane, wheat, fodder, & vegetables crops	10. Low production of old orchards 11. Insect attack in vegetables 12. Low production of milk in cow & buffalo.	l. Promotion of oilseed and pulse crops. m. Intercropping with sugarcane. n. Balance diet with mineral mixture and vaccination to animals. o. Renovation of old orchards
		Chhapr-auli	27	Dairy, sugarcane, wheat, fodder & vegetables	13. Long dry period in milch animals 14. Undeveloped marketing system of Agriculture of produces	
		Binoli	59	sugarcane, wheat, fodder, mustard, paddy, other enterprises- Dairy & poultry	15. Less net return in sugarcane based cropping system. 16. Infertility in buffalo and cow and poor health of animal	

2.8 Priority/thrust areas

S. No	Crop/Enterprise	Thrust area
1	Wheat	Increase productivity of late sown conditions. Weed management.
2	Sugarcane	Management of pests.
3	Nutritional Management	Creating awareness about human nutrition /nutritional needs to mitigate the problems of nutritional deficiency in rural woman & children.
4	Paddy	Pest and weed management.
5	Soil	Maintenance of soil health.
6	Vegetables	Pest Management and crop husbandry
7	Oilseed and Pulses	Promotion of oilseed and pulses crops.



Half Yearly Progress Report

(January to June, 2021)


1. FRONT LINE DEMONSTRATIONS (Jan.-June, 2021)

Cluster frontline demonstration of oilseeds and pulses under NFSM :

Enterprise	Crop	Name of Technology Demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs/ha) (Rs./ha)			
					Demon.	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Pulses	Greengram	Improved variety Pusa Vishal	30	10.0	RESULT AWAITED										
	Blackgram	Improved variety Shekhar-1	30	10.0	RESULT AWAITED										
Total/Avg.			60	20.0											
Oilseeds	Mustard	Improved variety RH-749	50	20.0	25.72	20.62	19.82	32300	108024	75724	1:2.50	27800	86604	58804	1:1.50
Total/Avg.			50	20.0											



Frontline demonstration of other than oilseeds and pulses:

Enterprise	Crop	Name of Technology Demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs/ha)			
					Demon.	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Cereals	Wheat (Rabi 2020-21)	Replacement of old variety (HD 2967) by HD 3226	10	4.00	47.25	41.42	14.07	63147	108019	44872	1:1.71	62978	94704	31726	1:1.50
	Sugarcane	Use of waste decomposer on dry leaf of sugarcane (Agriculture waste decomposer)	25	10.0	Result awaited										
					 <p style="text-align: center;">Budhasaini 6/03/21</p>										
Total															
<p>Scale rate (Rs/q) =Wheat @ 1975/q. & Straw @ 300/q (49 q in Demo & 43 q in local)</p>															

Frontline demonstration of other enterprises:

Other Enterprises															
Enterprise	Crop	Name of Technology Demonstrated	No. of Farmers	Area (ha)	Yield (kg/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demon.	Local		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Kitchen gardening	Rabi2020-21)andzaid 2021)	Growing of seasonal vegetables and fruits	20	0.20	270	50	440%	1400	8100	6700	1:5.72	450	1500	1050	1:3.3

Average selling price of vegetable @ Rs. 30/kg
Indirect saving of Rs.7650 half yearly.



2. TRAINING PROGRAMMES

Area of Training	Farmers & Farm Women				Rural Youths				Extension Functionaries				Grand Total			
	Courses	Male	Female	Total	Courses	Male	Female	Total	Courses	Male	Female	Total	Courses	Male	Female	Total
Integrated crop management	5	81	0	81	-	-	-	-	1	14	0	14	6	95	0	95
Soil health & fertility management	6	116	04	120	0	0	0	0	0	0	0	0	6	116	04	120
Rejuvenation of old mango orchard	1	20	0	20	0	0	0	0	0	0	0	0	1	20	0	20
Production techniques of cucurbits	3	60	0	60	0	0	0	0	1	15	0	15	4	75	0	75
Home science/ women empowerment	4	0	90	90	1	0	10	10	2	0	30	30	7	0	130	130
Seed production	3	60	0	60	0	0	0	0	0	0	0	0	3	60	0	60
Total	22	337	94	431	1	0	10	10	4	29	30	59	27	366	134	500



2. TECHNOLOGY ASSESSMENT & REFINEMENT

(I) Crop

Thematic Area	Name of crops	No. of technology	No. of trials
Variety evaluation	Wheat	2	6
Drudgery reduction	Onion	1	3
Integrated Nutrients managements	Wheat, Sugarcane and Tomato	3	9
Total		6	18

Detail of OFT No. 1: Low yield of existing varieties

Technology Assessed (as the case may be): Varietal evaluation of late sown wheat

KVK Baghpat has conducted On Farm Trial on “Varietal evaluation of late sown wheat” testing variety of late sown wheat DBW 173 along with variety HD 3059 under farmer practice. The results obtained from the trial showed that the variety DBW 173 performed higher yield 43.50 q/ha than HD 3059 with 38.25 qt/ha.

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Gross cost (Rs)	Gross turn (Rs)	Net return (Rs)	BC (Rs)
T ₁ : HD 3059 (Farmers Practice)	03	0.64	38.25	-	62175	87543	25368	1:1.40
T ₂ :DBW 173		0.64	43.50	13.72	62175	99412	37237	1:1.69

Scale rate (Rs/q) =Wheat @ 1975/q. & Straw @ 300/q (45q in Demo & 40 q in local)

Farmers Feedback: *The variety DBW 173 was found better in terms of high yield and farmers like good for chapatti purpose. Bough varieties same in crop duration (125-126 days)*

Scientist: Dr. Sundeep Chaudhary, Professor (Agronomy)

Detail of OFT -2: Balance use of fertilizer and micro nutrient in Tomato

Technology Assessed (as the case may be) :Integrated Nutrient Management in Tomato.

KVK Baghpat has conducted On Farm Trial on “Integrated nutrient management in Tomato” in three locations by the use of balance use of fertilizer NPK (100:50:50) against farmer practice of DAP+Urea. Therefore, critical inputs are NPK and micro nutrients. Crop are standing in the farmer’s field.

Technology Option	No. of trials	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	BC ratio (Rs)
T ₁ : Use of DAP+ Urea(Farmers Practice)	03						
T ₂ :Use of NPK (100:50:50) + micronutrients				RESULT AWAITED			

Scientist: Sh. Amit Chaudhary, SMS/ Asstt. Professor (Horticulture)

Detail of OFT -3: DRUDGERY REDUCTION

Problem definition: Low work efficiency and high drudgery of farm women during weeding in Onion

Technology Assessed: Use of Twin wheel hoe for drudgery reduction and efficiency enhancement of farm women involved in weeding Onion.

Many agricultural operations are performed by women involve a lot of physical strain. Weeding is one of them. Weeding by traditional khurpi is very time and energy consuming task along with causing drudgery to them. In order to enhance the efficiency and reducing drudgery, Krishi vigyankendra, Baghpat conducted a trial by introducing twin wheel hoe as T2 (technology option 2) for weeding of onion against traditional khurpi as farmer practice T1 (technology option 1) on three locations. Result revealed that the activity became less drudgery prone as the perceived exertion has been reduced from moderately heavy to light when work is performed by T2 and the output is increased by 90.08 %

Result :

Technology	Parameter	Data	Result
T1 Use of khurpi for weeding onion	Output m ² /hr	60.5	The output is increased by 90.08 % when the work is performed by T2 (twin wheel hoe) and the activity became less drudgery prone as the perceived exertion has been reduced from moderately heavy to light
	Average resting heart rate (b/min)	82	
	Average working heart rate (b/min)	105.50	
	AWhR over rest (b/min)	23.50	
	Rate of perceived exertion (on 5 point scale)	Moderately heavy	
T 2 Use of twin wheel hoe for weeding onion	Output m ² /hr	115	
	Average resting heart rate (b/min)	86	
	Average working heart rate (b/min)	122	
	AWhR over rest (b/min)	36	
	Rate of perceived exertion (on 5 point scale)	Light	

Scientist: Dr. Sarita Joshi, Professor (Home science)

Detail of OFT -4: Low yield of existing varieties

Technology Assessed (as the case may be) : Varietal evaluation of timely sown wheat.

KVK Baghpat has conducted On Farm Trial on “Varietal evaluation of timely sown wheat” testing variety of timely sown wheat DBW-187 along with variety HD-2967 under farmer practice. The crop was sown 15 to 28 Nov., 2020 and harvested 15 to 20 April, 2021. The results obtained from the trial showed that the variety DBW-187 performed higher yield 50.85 q/ha than HD-2967 with 46.00 qt/ha. DBW-187 gained maximum net profit (Rs./ha.) Rs. 73049.00 in comparison to other.

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	BC ratio (Rs)
T ₁ : HD-2967 (Farmers Practice)	03	0.2	46.00	-	26860	90850	63990	1:2.38
T ₂ : DBW-187		0.2	50.85	10.54	27380	10429	73049	1:2.67

Sale rate (Rs/q) = Wheat @ 1975/q.



Farmers Feedback: *The variety DBW-187 was found better in terms of high yield and farmers like it.*
Scientist: Dr. Bhupendra Kumar, Programme Asstt. (G&PB)

Detail of OFT -5: Low yield of late sown wheat

Technology Assessed (as the case may be) : Nutrient management of late sown wheat.

KVK Baghpat has conducted On Farm Trial on “Nutrient management of late sown wheat” variety - DBW 173 with micronutrients as Zn,Fe and B along with No micronutrients under farmer practice. The results obtained from the trial showed that wheat crop with micronutrients performed higher yield 2.13 q/ha than FP with 36.15 qt/ha. T2 gained maximum net profit (Rs./ha.) Rs. 40033 in comparison to Rs. 28030 from T1.

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	BC ratio (Rs)
T ₁ : 100kg urea+50kg DAP / acre (Farmers Practice)	03	0.60	36.15	-	58690	86720	28030	1:1.47
T ₂ :FP+ Micronutrients		0.60	42.13	14.19	61637	101670	40033	1:1.64

Sale rate (Rs/q) =Wheat @ 1975/q. & Straw @ 400/q (46.16q in Demo &38.31 q in local).




Farmers Feedback: *The T2 practice with micronutrients was found better in terms of high yield and farmers like it for income purpose*

Scientist: Dr. Ravendra Kumar, Programme Asstt. (Soil Science)

Detail of OFT -6: Low yield of sugarcane

Technology Assessed (as the case may be) : Micronutrient management in sugarcane crop.

KVK Baghpat has conducted On Farm Trial on “Micronutrient management in sugarcane crop” variety – CO-0118 with micronutrients as Zn,Fe and B along with No micronutrients under farmer practice. The results are awaited.

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	BC ratio (Rs)
T ₁ : 50 kg urea+50 kg DAP / acre(Farmers Practice)	03	0.60						
T ₂ :FP+ Micronutrients		0.60						
Result awaited								

Scientist: Dr. Ravendra Kumar, Programme Asstt. (Soil Science)

3. Livestock: Nil

4. Extension Activities

Activities	No. of programmes	No. of farmers	No. of Extension personnel
Field day	03	67	05
Advisory services through mobile calls	480	480	19
Advisory services through WhatsApp	195	662	07
Advisory services through WhatsApp groups	49	647	35
Advisory Services through messages text	19	26	-
Diagnostic visits	01	01	-
Kisan gosthi	14	2250	59
Lectures delivered as resource persons	15	2250	-
Scientists' visit to farmers field	13	18	-
Farmer's visit to KVK	38	38	14
Kisan mela participation	09	1590	45
TV talk	01	0	-
Mission shakti	01	88	07
Khad Suraksha samhu ka shamta vikas	01	76	
Total	839	8193	

Publications:

Particulars	Number
News paper coverage	21
Technical reports	12
Total	33

Particulars	No. of SMSs Sent	No. of farmers benefitted
Mobile Advisory Services	48	1402

Whatsapp groups	
No. Of Whatsapp groups	No of farmers
12	833

Note- Dissemination of approved State advisories/technical advisories to farmers during lockdown period due to COVID 19.

List of wheat crop cafeteria varieties

S. NO.	NAME OF VARIETY	SOWING DATE	HARVESTING DATE	YIELD (q/ha)
1	DBW-187	16/11/2020	17/04/2021	52.90
2	HD-2967	16/11/2020	17/04/2021	50.58
3	PBW-725	16/11/2020	17/04/2021	47.88
4	DBW-222	16/11/2020	17/04/2021	44.00
5	WH-1142	16/11/2020	17/04/2021	45.63
6	WB-02	16/11/2020	17/04/2021	53.13
7	PBW-226	04/12/2020	26/04/2021	43.50
8	DBW-90	04/12/2020	26/04/2021	47.88
9	DBW-71	04/12/2020	26/04/2021	48.25
10	DBW-173	04/12/2020	26/04/2021	52.15

Other Extension Activity-(Jan. to June, - 2021)

1- Participated in Gosthies/Kissan Mela under Kisan Kalyan Mission organized by State agriculture department for dabbling farmer's income

S.No.	Venue	Date	No. of participants
1	Braut	06.01.21	135
2	Baghpat	06.01.21	168
3	Chaprolli	06.01.21	178
4	Pilana	13.01.21	185
5	Binoli	13.01.21	122
6	Khekra	21.01.21	134

**2- International Women Day celebration at KVK, Baghpat on 08-03-2021 .
No of participants-74**



3- FTT Programme organized by KVK Baghpat

S.no.	Programme	Vanue	Date	Benificiary
1	FTT	KVK	20-22.03.21	50
2	World water day	KVK	22.03.21	50
3	CIRC, Meeut	KVK	15-19	40

4- Khad Suraksha Samuh Ka Dakshta Vikas (25-02-2021)

S.no.	Programme	Vanue	Date	Benificiary
1	Training	KVK	25.02.21	88

5- World Water Day Celebration (22-03-2021)



6- Mission Shakti Abhiyan () :

S.no.	Programme	Vanue	Date	Beneficiary
1	Mahila Krishak Vagyanik Samwad	KVK	03.03.21	78

7- SWACHHATA MISSION:

Under swachhata mission following programme /activities have been conducted weekly.

1. Cleaning of office premises
2. Cleaning of KVK Lawn.
3. Cleaning and sanitization of office twice a week by Nagar panchayat khekra.
4. Farm machinery have been sanitized before and after use.
5. Cleaning of Nicra village.
6. Thorough cleaning and sanitization of training hall.
7. Awareness regarding Arogya setu APP&AyushKavach have been popularized among farmer community through whatsapp.
8. Record of daily health cheakup including temperature and oxygen level is being maintained and hand sanitization of office staff as well as farmers and other person come to the centre are being done till date.

5. SEED PRODUCTION (IN QUINTAL)

Enterprises	Crop	Quantity (q)	Value (Rs)	Distributed to farmers
Cereals	Wheat (DBW-187)	245.00	464125.00	Supplied to NSC, Meerut
Commercial (produce)	Mustard (RH-749)	31.52	171800.00	Sale to APMC, Khekra
	Total	276.52	8,33,263.00	

6. PLANTING MATERIAL PRODUCTION (IN NUMBER): Nil

7. PRODUCTION OF BIO-PRODUCTS :

Production of Bio-Products:

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilizers	Vermi-compost	10000	60000	At KVK farm (produced in IFS unit)
Total		10000	60000	

8. LIVESTOCK & FINGERLINGS PRODUCTION: Nil

9. LINKAGES

Name of the programme	Institution involved	Kind of linkages
Training, meetings, goshies/Kisandiwas, Kisan Melas, soil testing and plantation programmes.	Banks	Participated in training, meetings, goshies/Kisandiwas, Kisan Melas, soil testing and plantation programmes.
Training, Meeting, Exhibition, Goshies, Kisan Melas and Soil testing programmes.	State Agriculture	Participated in training and meeting at division, district, block, village level and also ensured our participation in exhibition, soil testing programmes, goshies and Kisan Melas at various levels.
Training programme and exhibition	SIRD	Participated in training programme and exhibition.
Training, meeting and goshies	Women & child development department	Participated in training, meeting, goshies and field visits.
Training, Meeting, Exhibition, Goshies, Kisan Melas and Soil testing and Plantation programmes.	Fertilizer Agencies	Participated in training, meetings, goshies/Kisandiwas, kisan melas, soil testing and plantation programmes.
Training programme, meeting and goshies	Department of Plant Protection	Participated in scientific meeting, insect and disease surveillance and lecture delivery
Meetings, KCC, Election and revision of voter list and various other duties as and when assigned	District Administration	Participated in saturation of adopted villages with KCC, actively involved in training of booth level officer for election.
Training, meeting, goshies and field visits.	Horticulture department	Participated in training, meeting, goshies and field visits.
Training programme, awareness programme and goshies	NDRI, Karnal	Participated in training, meeting and goshies
Training, meeting and goshies	NABARD	Participated in training, meeting and goshies
Training programme and goshies	Sugarcane Department	Participated in training programme and goshies
Meeting, Training and goshies	NGOs	Lecture delivery, providing infrastructure and participated in their action plan designing

10. SOIL / WATER SAMPLE TESTING:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (Rs.)
Soil Samples tested	68	118	11	11200.00



Impact of soil health card:

Soil testing of about 80% of the 124718 farmers in the district has been done under the Soil Health Card Scheme, on the basis of which the micro-elements in relation to saving of about 18 to 20% in the district of eye fertilizers like urea, DAP etc. Such as zinc, iron, burrows etc. are being used by Sako as balanced fertilizers.

11. SCIENTIFIC ADVISORY COMMITTEE MEETINGS CONDUCTED: 22/01/2021



12. PUBLICATIONS

Name of publication	Number
News paper coverage	21
Technical reports	12
Total	33

किसान मेले में प्रगतिशील किसानों को सम्मानित किया



किसान मेले में सम्मानित किसानों की शेरार



मेले में उपस्थित किसान

जनवणी में आयोजित किसान मेले में प्रगतिशील किसानों को सम्मानित किया गया। किसान मेले में प्रगतिशील किसानों को सम्मानित किया गया। किसान मेले में प्रगतिशील किसानों को सम्मानित किया गया।

किसानों को सम्मानित किया गया। किसानों को सम्मानित किया गया। किसानों को सम्मानित किया गया।

कृषि विज्ञान केन्द्र पर होगा वेदर स्टेशन का निर्माण

19/02/24 • जनवणी संवाददाता, खेकड़ा

कृषि विज्ञान केंद्र परिसर में जल्द ही वेदर स्टेशन का निर्माण होगा। स्टेशन के लिए गुरुवार को स्थान का चिह्नंकन किया गया। वेदर स्टेशन बनने से किसानों को मौसम की सटीक जानकारी मिला करेगी।

मौसम की सही जानकारी ना मिलने के कारण किसानों को भारी परेशानी का सामना करना पड़ता था। मौसम की जानकारी के लिए उन्हें मोबाइल द्वारा जारी जानकारी पर ही निर्भर रहना पड़ता था। सटीक जानकारी ना मिलने के चलते किसानों को कई बार नुकसान उठाना पड़ता था। इसका प्रभाव फसलों की बुवाई पर भी पड़ता था। लेकिन अब जनपद के किसानों को मौसम की सटीक जानकारी मिला करेगी। इसके लिए जल्द ही कृषि विज्ञान केंद्र परिसर में वेदर स्टेशन का निर्माण किया जायेगा। गुरुवार को

वेदर स्टेशन के लिए स्थान का चिह्नंकन किया गया। दस बाई दस मीटर में बनने वाले इस स्टेशन के निर्माण में महज चार दिन लगेंगे। इसका निर्माण इंडिया मेट्रोलिजकल डिपार्टमेंट द्वारा किया जायेगा।

मौसम विज्ञान की वैज्ञानिक डॉ अंकिता नेगी का कहना है कि इसके बनने से किसानों को बहुत लाभ होगा। किसानों को मौसम की पूरी सटीक जानकारी उन तक पहुँचती रहेगी। इससे पहले नेट द्वारा दी गई जानकारी के आधार पर कार्य करते थे। लेकिन नेट पर जनपद की सटीक जानकारी नहीं मिल पाती थी। स्टेशन के निर्माण से हवा कैसी रहेगी, मौसम में धूप, कोहरा, बरसात आदि सभी की सही जानकारी उन्हें मिलेगी। जिससे सबसे ज्यादा फायदा किसानों को होगा। वह मौसम के अनुरूप कार्य कर सकेंगे।

कृषि विज्ञान केंद्र पर बनाया स्थापित मौसम केंद्र, शिले के लाखों किसानों को होगा फायदा

पल-पल के मौसम की मिलेगी सटीक जानकारी

मौसम स्थिति

समाधान: खेकड़ा में कृषि विज्ञान केंद्र पर जल्द ही वेदर स्टेशन का निर्माण होगा। किसानों को मौसम की सटीक जानकारी मिलेगी।



05 दिन का लगभग सटीक अनुमान



स्थापित मौसम केंद्र का परिदृश्य (अवसर) - 05



मौसम केंद्र के उपकरण - 05

सूचना मिलने पर किसान पहले से कर सकेंगे तैयारी। किसानों को मौसम की सटीक जानकारी मिलेगी।

कृषि विज्ञान केंद्र पर जल्द ही वेदर स्टेशन का निर्माण होगा। किसानों को मौसम की सटीक जानकारी मिलेगी।

शिविर का समापन

शिविर का समापन

कृषि विज्ञान केंद्र पर युवतियों को मुख्बा, अचार, जैली, जेम आदि बनना सिखाने के लिए ग्रह विज्ञान की वैज्ञानिक सरिता जोशी ने पांच दिवसीय प्रशिक्षण शिविर का आयोजन किया था। शुकवार को शिविर का समापन हो गया। समापन के अवसर पर उन्होंने कहा कि सभी फल व सब्जियां मौसमी होते हैं मौसम के अनुसार ही उनमें स्वाद होता है। इसलिए जो भी चीज बनाई जाती है वह उस मौसम के फल या सब्जी के आधार पर बनाई जाती है। इसलिए युवतियां एक समूह बनाकर इन सभी चीजों को बनाकर बाजार में बेच सकती हैं। इससे उन्हें घर बैठे ही एक्सट्रा इनकम हो जायेगी। अचार, शरबत, जैली, जेम, मुख्बा की बाजार में डिमांड है। इसलिए जिस मौसम में जो फल या सब्जी हो उसी के आधार पर उस वस्तु को तैयार कर बाजार में बेच सकते हैं। इसके साथ ही अपने घरों की छत पर ग्रह वाटिका बनाकर फल व सब्जी उगा भी सकते हैं। इस अवसर पर डा सदीप चौधरी ने उन्हें प्रशिक्षण प्रमाण पत्र वितरित किए। इस अवसर पर आँचल, काजल, शीकि, राधिका, सीमा आदि मौजूद रहे।

Budget Statement for the year 2020-21 of I.C.A.R

S.N.	Particular	Budget Sanction (R.E.)	Expenditure	Balance
A.	Recurring Items			
1	(a) Pay and Allowances	12508000.00	12507591.00	409.00
	(b) Arrear 7th CPCL	4571000.00	4571085.00	-85.00
2	Travelling Allowances	120000.00	50996.00	69004.00
3	HRD	30000.00	0.00	30000.00
4	Contingency			
	(a) Office Runing	250000.00	203419.00	46581.00
	(b) POL	120000.00	31117.00	88883.00
	(c) Vocation Training			
	i) Training Meals	100000.00	29200.00	70800.00
	ii) Training Material	30000.00	17131.00	12869.00
	(d) F.L.D. other than (O & P)	100000.00	31970.00	68030.00
	(e) On Farm Trial	50000.00	24800.00	25200.00
	(f) Trg. Extn. Functionaries	45000.00	26892.00	18108.00
	(g) Library	5000.00	4760.00	240.00
	(h) Farmer Fairs	0	0	0
	(i) IFS	0	0	0
	(j) Infor, Tech, Unit	0	0	0
	Total A	17929000.00	17498961.00	430039.00
B.	Non-Recurring			
1	Works			
	i) Works	0	0	0
	ii) Equipment, furniture	0	0	0
	iii) Vehicles	0	0	0
	iv) Library books	0	0	0
	(v) Soil & Water Testing Lab	0	0	0
	Total B	0	0	0
	Total (A+B)	17929000.00	17498961.00	430039.00

Budget Statement for the year 2020-21 of Revolving fund upto 31 March, 2021

S.N.	Particular	Budget Sanction	Expenditure	Balance
1	Input	200000.00	120353.00	79647.00
2	Labour	80000.00	53946.00	26054.00
3	Pol	300000.00	270158.00	29842.00
4	Others	350000.00	339357.00	10643.00
	Total	930000.00	783814.00	146186.00

Budget Statement for the year 2021-22 of NICRA upto June, 2021

S.N.	Head	Grant Sanction	Grant Received	Actual Expenditure	Balance
A	General				
1	Contingency	1200000.00	0.00	0.00	0.00
2	TA	66000.00	0.00	0.00	0.00
3	SC Sub-Plan	0.00	0.00	0.00	0.00
	Total (A)	1266000.00	0.00	0.00	0.00
B	Grant for Capital Assets				
1	Equipment	0.00	0.00	0.00	0.00
2	SC Sub-Plan	0.00	0.00	0.00	0.00
	Total (B)	0.00	0.00	0.00	0.00
	Grand Total (A+B)	1266000.00	0.00	0.00	0.00

Progress of NARI

(January to June, 2021)

Village selected for conducting NARI

- Lehchauda
- Odhapur

Activities conducted:

1) Demonstration: Total number 20

S.N.	Crop	Thematic area	Variety	season	Area (ha)
1	Fruit & vegetables	Nutritional food security	Hybrid & latest variety (kit obtained from IARI, Pusa New Delhi)	Rabi 2020-21 & Zaid 2021	0.20

Result Table A

S.No	Parameter	Rabi	Zaid	Half yearly
1.	Availability of veg. (day)	L 44	L 32	76
		D 150	D 90	240
2.	Yield/100 ² metre(Kg)	L 30	L 20	50
		D 170	D 100	270
3.	Input (Rs)	L 300	L 150	450
		D 900	D 500	1400
4.	Income (Rs)	L 900	L 600	1500
		D 5100	D 3000	8100**
5.	CBR	L 1:3	L 1:4	L 1:33
		D 1:5.6	D 1:6	D 1:5.7



Economy of demonstration

Crop	Name of Technology Demonstrated	No. of Farmers	Area (ha)
Rabi2020-21)and zaid 2021)	Growing of seasonal vegetables and fruits	20	0.20

Yield (kg/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs/ha) (Rs./ha)			
Demon.	Local		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
270	50	440%	1400	8100	6700	1:5.72	450	1500	1050	1:3.3

Average selling price of vegetable @ Rs. 30/kg

Indirect saving of Rs.7650 half yearly/16200/anum

Category	Recommended vegetables intake/day/member (gm)	Recommended veg for 4 family members (gm)	Daily nutritional requirement fulfilled/not fulfilled	Clinical observation				
				BMI	General appearance	eyes	Teeth	Disease Occurrence
Nutri-garden	300	1200	D:fulfilled L:not full filled	D: 18.5 to 24 L:>25	D:Healthy L:Dull	D:Bright L:Dull	D:Healthy L:bleeding gums	D:Less frequently D:more frequently.

Since vegetables obtained in eight months ieduring rabi and zaid is 270 kg as shown in table A full filled the recommended amount of vegetables @ 300gm/personfor four membersfor eight months.

$(300 \times 4 \times 8 \times 3 = 28800 \text{ gm} = 288 \text{ kg})$

2 .OFT -: DRUDGERY REDUCTION

Problem definition: Low work efficiency and high drudgery of farm women during weeding in Onion

Technology Assessed:Use of Twin wheel hoe for drudgery reduction and efficiency enhancement of farm women involved in weeding Onion.

Many agricultural operations are performed by women involve a lot of physical strain. Weeding is one of them. Weeding by traditional khurpi is very time and energy consuming task along with causing drudgery to them. In order to enhance the efficiency and reducing drudgery, Krishi vigyankendra, Baghpat conducted a trial by introducing twin wheel hoe as T2 (technology option 2) for weeding of onion against traditional khurpi as farmer practice T1 (technology option 1) on three locations. Result revealed that the activity became less drudgery prone as the perceived exertion has been reduced from moderately heavy to light when work is performed by T2andThe output is increased by 90.08 %

Result :

Technology	Parameter	Data	Result
T1 Use of khurpi for weeding onion	<ul style="list-style-type: none"> • Output m²/hr • Average resting heart rate (b/min) • Average working heart rate (b/min) • AWHR over rest (b/min) • Rate of perceived exertion (on 5 point scale) 	60.5 82 105.50 23.50 Moderately heavy	The output is increased by 90.08 % when the work is performed by T2(twin wheel hoe) and the activity became less drudgery prone as the perceived exertion has been reduced from moderately heavy to light
T 2 Use of twin wheel hoe for weeding onion	<ul style="list-style-type: none"> • Output m²/hr • Average resting heart rate (b/min) • Average working heart rate (b/min) • AWHR over rest (b/min) • Rate of perceived exertion (on 5 point scale) 	115 86 122 36 Light	

3.Capacity Building**A. Training for practicing farm women**

S.No.	Date	Title	Durations Days	No. of Participants
1.	07-01-2021	Value addition of tomato	1	20
2.	11-02-2021	Preparation of fortified flour	1	20
3.	10-02-2021	Importance of fruit and vegetables	1	20

B. Training for extension functionaries

S. No.	Duration Days	No. of Participants
1	Iron deficiency and its symptom	15

Advisory through whatsapp

S.No.	Title	No. of Participant
1	Follow these best ayurvedic remedies to increase immunity of children	320
2	Why and how to produce clean milk	320
3	Milk and milk products and their nutritional value	320
4	Include these fruits and vegetables in your diet to strengthen immunity	320
5	Five ways to enhance immunity	320

NARI ACTION PLAN (January-December 2022)

Training Programme Training programme for Farm women

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
25-04-2022	PFW	Mushroom cultivation.	1	-	18	18	-	2	2	20
16-07-2022	PFW	Nutrition education and safe motherhood	1	-	18	18	-	2	2	20
08-08-2022	PFW	Processing of soybean for food uses	1	-	18	18	-	2	2	20
17-09-2022	PFW	Biofortified crops and nutrient-sensitive diet	1	-	18	18	-	2	2	20
22-10-22	PFW	Cultivation of kitchen garden	1	-	18	18	-	2	2	20
10-12-2022	PFW	Fruit and vegetable preservation	1	-	18	18	-	2	2	20
12-11-22	PFW	Nutritional deficiency diseases and their management	1	-	18	18	-	2	2	20

Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
13-05-2022	AWW	Nutrient efficient diet for adolescents	1	-	13	13		2	2	15
24-11-2022	AWW	Fortification of food	1	-	13	13		2	2	15
21-03-2022	AWW	Iron deficiency its symptoms, causes and treatment	1	-	13	13		2	2	15

On Farm Trial

OFT-1

Thematic Area	Nutritional Security
Problem diagnosed	Low nutritional status and Malnutrition of Farm women
Title	Assessment of the effective supplementation of multigrain flour for improvement of nutritional status of Farm Women
Technology options: Farmers Practice (T ₁)	Wheat flour only (Protein 10-11%, Iron 1.0-1.2 mg/100 gm)

Technology to be assessed (T ₂)	Multigrain flour (wheat flour 75%) + Gram Flour (20%) + Barley Flour (5%) for 180 days ((Protein 14-15%, Iron 2.0-2.4 mg/100 gm), to Farm women aged 35-40yrs. (sedentary worker. from medium SES).
Source of Technology	NIN , Hyderabad
Year	2012
Critical Input	Gram Flour(80 gm/day) + Barley Flour (20 gram/day)
Expenditure	Rs. 1500/ trial
Parameter observation	<ul style="list-style-type: none"> • Physical parameter • Nutritional parameter, Economic and sensory parameter. (As per format developed and provided under NARI Programme

OFT-

Drudgery reduction

Title of on-farm trial	Assessment of Twin wheel hoe for drudgery reduction and efficiency enhancement of farm women involved in weeding in Onion./ other vegetable crop.
Problem diagnosed	Low efficiency and high drudgery of farm women during weeding in Onion
Production system and thematic area	Drudgery reduction
Farming situation	Irrigated
Details of technologies selected for assessment/refinement	T1- Use of Khurpi (Farmer practice). T2- Use of Twin wheel hoe weeder
Source of technology	CIAE, Bhopal
Performance indicators i). Technical ii). Economic iii). Social	Technical observation Work efficiency/hour, Physiological Cost of Work /perceived exertion C:B ratio Farmer reaction (feedback)
No. of farmers	03
Farming / Enterprise	Mixed farming
Critical inputs	Twin wheel hoe .
Total cost of OFT	-
Name of scientist	Dr. Sarita Joshi, Professor (Home Science)

3.2 Frontline Demonstrations**NO:20****Area :150sqm each****A.****Details of FLDs**

Thematic Area	Nutritional Security
Problem diagnosed	Malnutrition due to lack of vegetables in daily routine diet
Title	Round year production / availability of seasonal vegetables through nutritional garden for food and nutritional security
Farmers Practice	Growing of only 2-3 vegetables of cucurbits family
Technology to be demonstrated	Cultivating nutri garden by growing seasonal vegetables (Rabi, Kharif & Zaid of improved and latest variety) and by following proper layout .
Source of technology	IARI New Delhi.
Critical Input	Vegetables Seed kit procured from IARI New Delhi
Expenditure	Rs. 500 per demonstration
Parameter observation	<ul style="list-style-type: none"> • Physical parameter • Nutritional parameter, • Economic and sensory parameter. (As per format developed and provided under NARI Programme.

Other extension activities:

S. No.	Title	No.	No of participants
1	Goshthi	1	100
2	National nutrition week	1	100
3	Poshanmaah	5	500
4	World food day	1	100
5	Health camp	1	100
7	Advisory message through whatsapp	25	100
6	Mobile advisory through voice message	25	100

Progress of Gramin Krishi Mausam Sewa, Project Details (January to June, 2021)

- Title of the Project: Gramin Krishi Mausam Sewa
- Year of start of AAS at DAMU: 2020
- Name and address with landline and mobile numbers along with STD code (also provide e-mail address) of head of ATARI, Project Coordinator, Head of the Krishi Vigyan Kendra (KVK)
- Date of start of Agromet Advisory Bulletins: 11 September 2020
- Status of Agro-AWS: Civil work Completed
- List of farmers awareness programmes conducted like Krishi / Kishan Melas, training, participation in national day parades etc. and photograph of Farmer's Awareness Programme (no of Farmer attended)

S.No.	Date	Venue	Topic	No. of participants'
1	03-02-2021	Village- Kanvada (Binoli)	Weather forecasting and its usefulness for farmers	10
2	04-02-2021	Village- Lahchora (Khekra)	Agro Advisory services of DAMU	12
3	05-02-2021	K.V.K., Baghpat	Weather for casting and its usefulness for farmers	9
4	09-02-2021	K.V.K., Baghpat	Meghdoot App	14
5	10-02-2021	Village-Pali (Baghpat)	Meghdoot App	27
6	01-03-2021	Village-Pali (Baghpat)	Weather for casting and its usefulness for farmers	28
7	16-03-2021	K.V.K., Baghpat	Importance of Agro advisory for Milk production	18
			Total	118



03-02-2021



04-02-2021



09-02-2021



05-02-2021



10-02-2021



01-03-2021

Newspaper cuttings:

मौसम खराब, बूँदाबांदाी से जनजीवन प्रभावित

खेकड़ा | संवाददाता
 लौकते चक्रवाती तूफान का असर मौसम पर भी साफ दिखने को मिल रहा है। बुधवार की सुबह से ही जिले में मौसम खराब रहा। कस्बे में कई मार्गों पर तो पानी भर गया।
 कृषि विज्ञान केन्द्र की मौसम विज्ञानी डा. अंकिता नेगी ने बताया कि अरब सागर से उठा चक्रवात लौकते मंगलवार रात को और कमजोर पड़ गया था। लेकिन इसके कारण बागपत समेत दिल्ली एनसीआर और वेस्ट यूपी में बारिश शुरू हो गई। बुधवार को जनपद में कई स्थानों पर धीमी तो कहीं झमाझम बारिश हुई। इसके साथ ही अगले दो दिन बागपत समेत दिल्ली-एनसीआर में मध्यम स्तर की बारिश जारी रहने का अनुमान है। कई स्थानों पर भारी बारिश भी हो सकती है। मौसम विभाग ने ये भी चेतावनी जारी की है कि



खेकड़ा के रेलवे रोड पर बारिश के बाद जलभराव से निकलते वाहन। • शिन्दूरलाल
 बागपत में पश्चिमी विक्षोभ का भी प्रभाव है। बारिश के साथ ही 50-60 किलोमीटर प्रति घंटे की रफारत से हवाएं चल रही हैं। बेमौसम बरसात को देखते हुए जिला प्रशासन भी अलर्ट पर है। एसडीएम अजय कुमार ने बताया कि सभी लेखपालों को फसल नुकसान पर नजर रखने को बोला गया है। किसानों को बिजली का कड़कने के समय खेतों में ना रहने की हिदायत दी गई है। टूटने वाले वृक्षों की जानकारी ली जा रही है। बारिश और तेज हवाओं के चलते कस्बे की बिजली आपूर्ति भी करीब 12 घंटे से ठप पड़ी हुई है। एसडीओ ने बताया कि कई स्थानों पर तार उलझ जाने और पोल टूटने हो जाने के कारण समस्या आ रही है।

तीन दिन मौसम खराब रहने की चेतावनी जारी

खेकड़ा। कृषि विज्ञान केन्द्र ने आगामी तीन दिन बागपत में तेज हवा, बारिश और आकाशीय बिजली की सम्भावना व्यक्त की है। कृषि विज्ञान केन्द्र ने मौसम विभाग से प्राप्त जानकारी साझा की है। के.वी.के की विज्ञानी डा. अंकिता नेगी ने बताया कि आगामी तीन 19, 20 और 21 मई को जनपद में कई स्थानों पर तेज हवा के साथ बारिश, तेज गरज चमक के साथ आकाशीय बिजली गिरने की सम्भावना जताई गई है।

जिलेभर में तीन दिन में 88 एमएम बारिश

खेकड़ा | संवाददाता
 मंगलवार रात से शुरू हुई जनपद को बिना पानी के एक हफ्ता का सूखे का 88 एमएम बारिश का सुखद टोकरा लगा। जिलेभर में तीन दिन में 88 एमएम बारिश का सुखद टोकरा लगा। जिलेभर में तीन दिन में 88 एमएम बारिश का सुखद टोकरा लगा।

जनजीवन टप
 • मंगलवार के बाद शुक्रवार देर में दिवस भर सूखे में
 • खेतों की खेती, सिंचनी को भी हो सकती है हानि

जिलेभर में तीन दिन में 88 एमएम बारिश का सुखद टोकरा लगा। जिलेभर में तीन दिन में 88 एमएम बारिश का सुखद टोकरा लगा।

बागपत
 बागपत में एक्ट्यूआई पहुंचा 758 पर, आंखों में ही रहीं जलम उंड बढ़ते ही फिर बढ़ने लगा प्रदूषण का स्तर

शिपयारिंग कर कामयाब बनेंगे

बागपत में एक्ट्यूआई पहुंचा 758 पर, आंखों में ही रहीं जलम उंड बढ़ते ही फिर बढ़ने लगा प्रदूषण का स्तर

Weather event Crowdsourcing Upload



01-06-2021

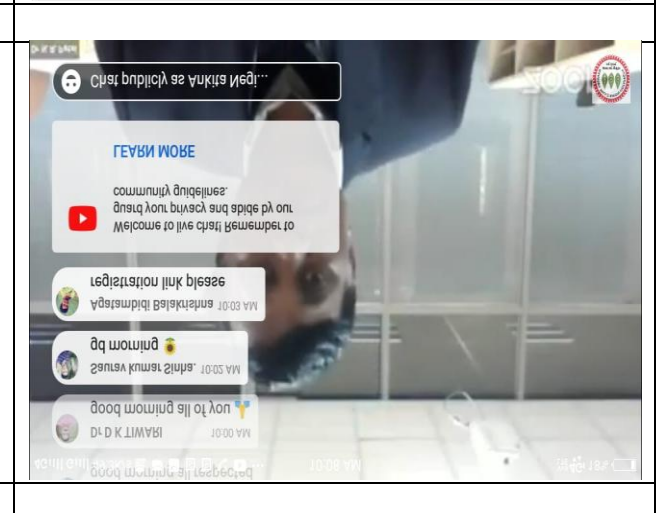
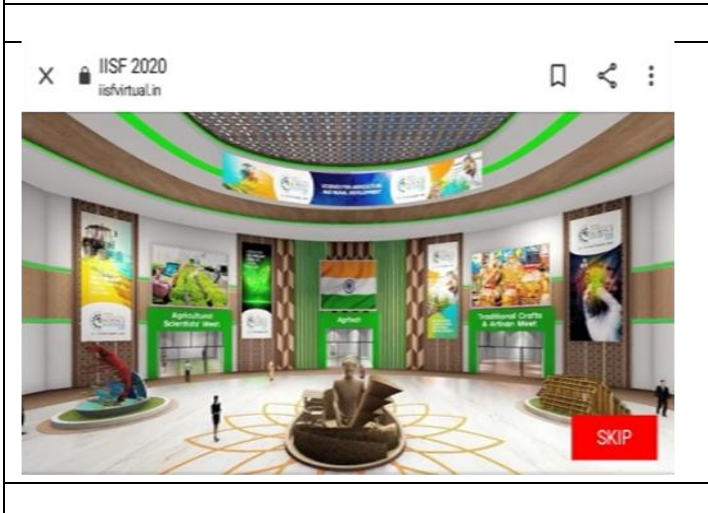


06-05-2021

Observatory civil work



Meeting workshop



Kisan mela



21 -03-2021

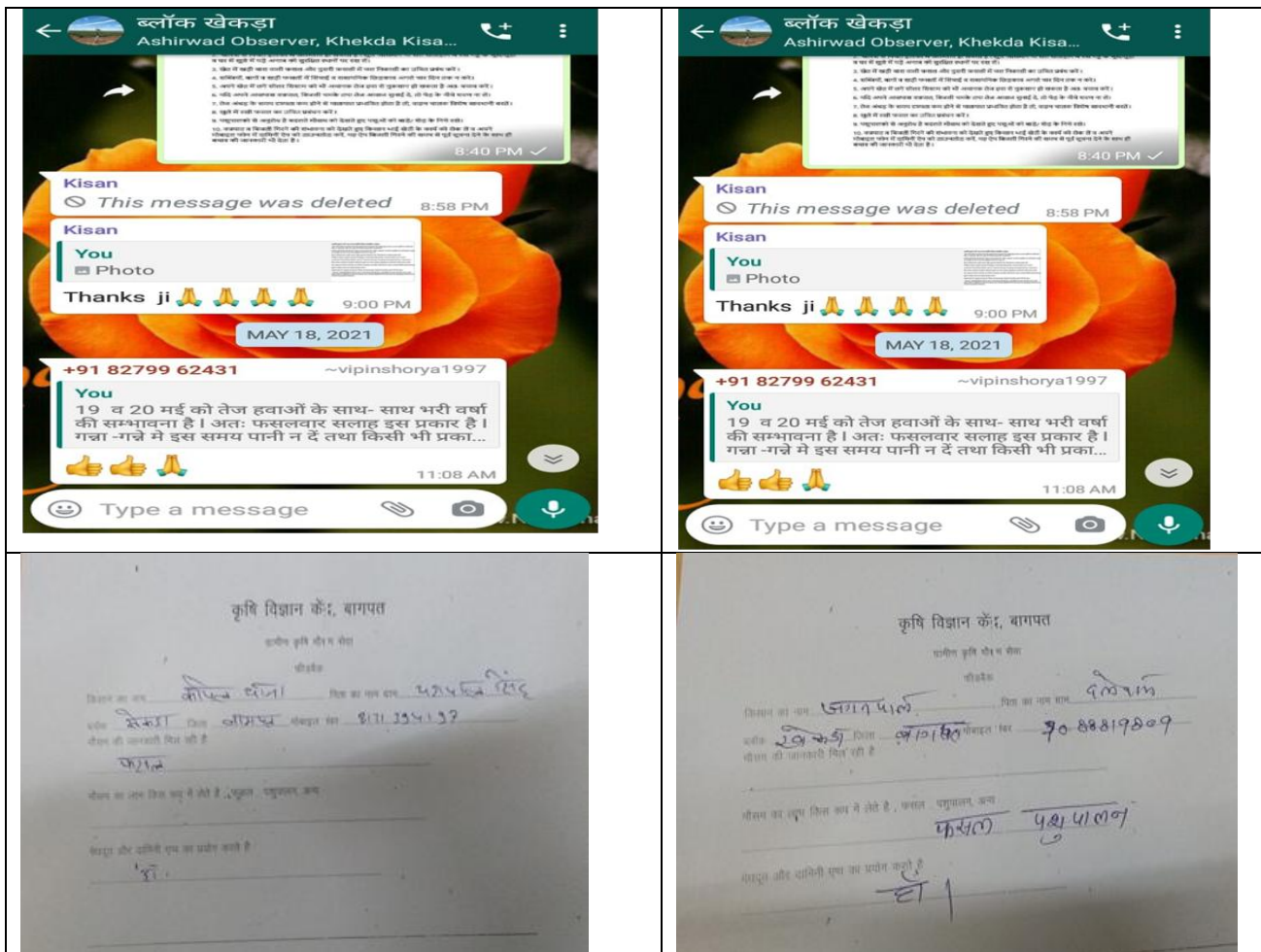


Youtube channel –khetibadibaghat from 4 March 2021



<https://youtu.be/AgFxuz9YVy0>

Farmers feedback



Gramin Krishi Mausam Sewa

Date	Programme
02-01-2021	Use of Meghdoot&Damini App
12-01-2021	Faslotpadan me mausampurvanuman ka mehatv
15-01-2021	Agroadvisory Value addition and dissemination
19-01-2021	Use of Meghdoot&Damini App
09-02-2021	Mausam anurup Krishi
17-02-2021	Faslotpadan me mausampurvanuman ka mehatv
23-02-2021	Mausam anurup Krishi
16-03-2021	”Importance of Agroadvisory for Milk production “
21-03-2021	“Use of Meghdoot&Damini App “
24-03-2021	Farmers meet With Khekra Farmers
6-04-2021	“ Faslotpadan me mosampurvanuman ka mehatv”
12-04-2021	Farmers meet with Sikheda farmers
24-04-2021	“ Krishi me Mausam Purvanuman ka mehatv”
27-04-2021	Farmers meet with Baghpat farmers

06-05-2021	Farmer Awareness Programme on “Meghdoot App”
11-05-2021	Farmers meet with Sakrod village farmers
17-05-2021	Farmer Awareness Programme on “Damini App”
21-05-2021	Farmer Awareness Programme on “Kharif faslon me Mausam purvanuman ka Mehatv”
25-5-2021	Farmers meet with katha farmers
01-06-2021	Farmers meet with pali farmers
5-6-2021	Farmer Awareness Programme on “ Meghdoot App
16-06-2021	Kharif Faslon me mausamanurupkrishi
6-07-2021	Mausam anurup Krishi
9-07-2021	Mausam App
6-8-2021	Umang App
21-08-2021	Online Farmer meet
-9-2021	Sarson pr mausam ka prabhava vambachav
20-09-2021	Rabi faslon me mausamanurupkrishi
29-09-2021	Online farmer meet
5-10-2021	Umang App
12-10-2021	Mausam App
26-10-2021	Rabi Faslon me mausampurvanuman ka mehatv
05-11-2021	Faslotpadan me mausampurvanuman ka mehatv
4-12-2021	Rabi faslon me mausamanurupkrishi

*Every Tuesday and Friday Agro advisory uploaded and disseminate to farmers.

**Progress Report
(NICRA-TDC)**

Module wise NICRA Progress Report Jan to June-2021

Name of KVK: Baghat (U.P.)

Village: Sikhera and Patoli

Module-1: Natural Resource Management:

Inte rventions	Technology demonstrate	Critical input (Variety, Fertilizer / Chemicals doses)	No. of farmers	Area (ha)	Measurable indicators of output*	Economics of demonstration (Rs./ha)			
						Gross Cost	Gross Return	Net Return	C:B
1	2	3	4	5	6	7	8	9	10
In-situ moisture conservation RCT	Promotion of less water requiring crop-Mustard Yr - 2020	Seed Var- RH-749	20	10.0	Yield and economic	22400	94872	72472	1:4.23
	Any other	Promotion of Hyderogel to reduces the water requirement in rice	Hyderogel	14	5.6	Yield -39.58 Q/ha & water saving	56600	121937	65337
	Kitchen Gardening	Vegetable seed kit	20	--	To provide more nutrition throughout the year				
	Soil test based nutrients management	Soil health card distribution	20	--	Nutrient status Increase OC % 0.42 to 0.46	Using soil test based fertilizer application during Kharif and Rabi season			
Borers management	Uses of Trichocards	Trichocards @5 card / Ha.	100	40	Yield and economics	94521	284035	189532	1:3.0
			Four times Tricho-cards were repeated						
Mulching	Brown mulching in Sugarcane		50	35	907	94816	287201	192385	1:3.20



Module-2: Crop Production:

Interventions	Technology demonstrate	Critical input (Variety, Fertilizer / Chemicals doses,)	No. of farmers	Area (ha)	Measurable indicators of output*		% Increase	Economics of demonstration (Rs./ha)				Economics of Local (Rs./ha)			
					Demo Qts./ha.	Local Qts./ha.		Gross Cost	Gross Return	Net Return	C:B	Gross Cost	Gross Return	Net Return	C:B
Introducing flood/drought/temp.tolerant varieties	Serial crop year-2020-21	wheat Seed Var-DBW-173	23	9.28	48.5	43.2	11.2	39850	120037	80187	3.01	38700	106920	68220	2.76
	Sowing of Oil crop Yr - 2020	Mustard Seed Variety-RH-749	20	10.0	21.44	17.85	12.01	22400	94872	72472	4.23	24500	78986	63186	3.22
Moisture stress management	Use of hyderogel in Rice	Hyderogel	14	5.6	39.58	37.21	22.46	56600	121937	65337	2.15	56600	99572	42972	1.75

Module-4: Institutional Interventions:

Interventions	Details of activity			Critical input (Breed / Vari. / Medi. doses,)	No. of farmers		Unit / No. / Area (ha)
	Name of crops / Commodity groups / Implements	Quantity / Number / Rent / Charges	Technology used in seed / fodder bank & function of groups		Male	Female	
Custom hiring centre 2021	Implements	Available current balance Rs 19335					
Kitchen Gardening 2019	Vegetable seed kit (Aug)	25	--	Seed		25	25
Activities under Institutional Interventions							

Module-5: Capacity Building (HRD):

Sl. No.	Thematic area	Title of training	No. of Course	Date	No. of beneficiaries		
					Male	Female	Total
1	Awareness	Seed production program in Wheat	01	03.02.21	20	0	20
2	Resource conservation technology	Safe storage of Wheat seeds	01	04.03.21	20	0	20
3	Resource conservation technology	Fodder Production in Rabi crops	01	25.01.21	20	0	20
4	Health awareness	Pulses crop seed Production	01	20.02.21	20	0	20
Total			04		80	0	80

Activity under Capacity Building Programme



Status of implements:

Name of items	No. of units	Date of purchase	Amount Spent (Rs.)
Rotavator	01	30.03.11	83,000.00
Land Leveller	02	30.03.11	30,000.00
Zero Tillage seed drill/ZT-cum-ferti seed drill	02	30.03.11	80,000.00
Disc harrow / Disc plough	02	30.03.11	40,000.00
Multi crop raised bed ferti cum seed drill	02	30.03.11	1,30,000.00
Sugarcane ridge-cum fertilizer applicator	02	30.03.11	71,000.00
SRI marker	02	30.03.11	5,000.00
Cono-weeder	02	30.03.11	5,000.00
Rain Gun	02	30.03.11	46,599.00
GPS	01	30.03.11	19,855.00
Small weather equipments	7 items	30.03.11	48,000.00
Digital camera	01	30.03.11	9,990.00

Status of Contractual staff (SRF):

Sl. No.	Name of SRF	Specialization	Date of recruitment	Up to	Remark
1.	Mr. Dev Kumar	Agronomy	16.08.18	Till date	

Status of custom hiring committee:

Committee has been formulated and is in operation with the following staff positions

S.No.	Name	Father's name	Position
1	Sri parmod	Sri Birampal	Chairman
2	Sri Rajveer	Sri Charan Singh	Member
3	Sri Harender Kumar	Sri Shanserpal	Member
4	Sri Rajesh	Sri Surender Singh	Member
5	Sri Partap	Sri Baleshwar Singh	Member

NICRA, KVK, ACTION PLAN (2022)

Name of KVK: Baghat (U.P.)Village: Shikhera/Patoli

Module-1: Natural Resource Management

Interventions	Technology to be demonstrated	Critical input (Variety, Fertilizer / Chemicals doses,)	Details of activity	No. of farmers	Area (ha)	Measurable indicators of output	Cost born by Project (Rupees)
In-situ moisture conservation RCT	Promotion of less water requiring crop in Zaid (Black gram)	Seed- 150Kg @ Rs. 75/-Kg	Shekhar 2 @15Kg/ha	50	10	Yield	11250.00
	Promotion of less water requiring crop (Mustard)	Seed - 40Kg	Pusa R.H 749 @4Kg/ha	25	10	Yield	4000.00
Any other (Pl. specify)	Improve organic matter in soil by Green manuring	i)Seed - 300 Kg @ Rs. 50/-Kg ii) Soil testing @ Rs. 200/sampling	Dhaincha Seed 60Kg/ha	25	05	Soil status Before &After green manuring	15000.00 5000.00
	Promotion of Hydrogel for Water saving in Paddy crop	Hyderogel-25 kg @ 1500/kg,	Hyderogel@ 2.5 kg/ha.	25	10	Water saving	37500.00
	Promotion of waste decomposer for crop residue management	Waste dicomposer -100 Unit @20 Rs per Unit	Waste dicomposer @ 2 Unit per	50	20	crop residue management	2000.00
Kitchen gardening	To provide more nutrition throughout the year	Vegetable seed kit @ 100Rs/kit	Vegetable kit	25	-	To provide more nutrition for human	2500.00
Total							77250.00

Module-2: Crop Production

Interventions	Technology to be demonstrated	Critical input (Variety, Fertilizer / Chemicals doses,)	Details of activity	No. of farmers	Area (ha)	Measurable indicators of out put	Cost born by Project (Rupees)
Good nutritional quality variety	High yielding variety Late sown	Seed- 2500 Kg @ Rs. 42/- Kg ii) Soil testing @ Rs. 200/sampling	DBW-173/HD 3059 @ 125 Kg/ha,	50	20	Yield & Soil Sampling	105000.00 20000.0
Any other (Pl. specify)							
Insect control through bio-agent	Application of trychocards to control the borers	Trycho cards- 400 @ Rs.50 /cards. (5x4x20=400 cards)	Punching of trychocards in sugarcane Trycho cards- 5 /ha.	100	20	Yield	20000.00
Field Day	Field day on sugarcane and wheat demo. field	Working lunch.Pen ped Banner, etc	Increased knowledge level of farmers	75	03 no.	Adaptations of tech.	3000.00
Total							148000.00

Module-3: Livestock & Fisheries

Interventions	Technology to be demonstrated	Critical input (Breed / Variety / Medicine doses,)	Details of activity	No. of farmers	Unit / No. / Area (ha)	Measurable indicators of output	Cost born by Project (Rupees)
Use of community lands for fodder production during droughts / floods	Improved barseem variety	Seed 125 Kg @ Rs. 200/-Kg	Production of green fodder - Variety: BL-10 /JHB-146 @25 kg/ha	25	05	Yield	25000.00
Animal health check-up camp	A.H. Camp	Services	Use of locally stems and health & hygiene	100	200 animals	Check mortality & production	20000.00
Total							45000.00

Module-4: Institutional Interventions:

Interventions	Technology to be demonstrated	Critical input	Details of activity	No. of farmers	Unit / No. / Area (ha)	Measurable indicators of output	Cost born by Project (Rupees)
1	2	3	4	5	6	7	8
Climate literacy through a village level weather station	Exposure to weather station at KVK	Working lunch, Pen, Pad, Banner, Trawling fair etc	Knowledge about weather	20	01	Implementation of weather related in formations in field	3000.00
HRD	CRM	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	40	02	Adoption of RCT paddy wheat etc	2000.00
	Know the soil fertility status	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	40	02	Use of balance fertilizer	2000.00
	Innovative approaches on oil seeds crops	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	40	02	Skill and knowledge up gradation in performing agricultural operations	2000.00
	Importance of summer ploughing	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Adoption of RCT	1000.00
	Mechanization in Sugarcane cultivation	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Skill and knowledge up gradation in performing agricultural operations	1000.00
	Fodder and feed management	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Tech. of green fodder production	1000.00
	Health awareness	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Importance of Pulses for growing kids	1000.00
	Seed production	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Seed production tech. of legumes	1000.00

	Awareness	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Safe use of grain storage	1000.00
	RCT	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Tech. of water conservation in soil	1000.00
	Awareness	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Tech. of vegetable production	1000.00
	RCT	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Nutrients management in orchards	1000.00
	Soil health	Working lunch, Pen, Pad, Banner, etc	Increased knowledge level of farmers	20	01	Use of crop residue and green manure in soil	1000.00
Any other (Pl. specify)	Exposure visit at IARI, New Delhi/SVPUAT, Meerut	Working lunch, Trawling fair etc	Knowledge about	100	02	Adoption of new technologies	50000.00
Total							69000.00

Summary of budget (2021-22)

Heads Recurring		Amount (Rs)
I. Contingency		-
1. Conducting Bench mark survey		-
2. Project Launching programme		-
3. Operational expenditure	Natural Resource Management	77250.00
	Crop Production	148000.00
	Live stock & Fisheries	45000.00
	Institutional Interventions	69000.00

1. SRF 1 No) Salary + HRA (@ Rs35000 + HRA 10 %)	462000.00
2. POL/Vehicles	20000.00
3. Office rent for 12 months @ Rs 1250.00 per month	15000.00
4. Stationery, Report preparing, Office running expenditure	15000.00
5. Miscellaneous Expenditure	15000.00
II. T A	20000.00
Total	886250.00

Status of Contractual staff (SRF):

Sl. No.	Name of SRF	Specialization	Date of recruitment	Up to	Remark
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3	Sri Harender Kumar	Sri Shanserpal	Member
4	Sri Rajesh	Sri Surender Singh	Member
5	Sri Partap	Sri Baleshwar Singh	Member

X ----- X